

## ABSTRACT OF THE DISCLOSURE

The membrane electrode assembly comprising a pair of opposing electrodes each having a catalytic layer, and a polymer electrolyte membrane sandwiched by the electrodes, part of the catalytic layers being projecting into the polymer electrolyte membrane is produced by (1) coating a catalytic layer of one electrode with a solution of a polymer electrolyte in an organic solvent, (2) coating the resultant polymer electrolyte membrane with a catalyst slurry for the other electrode, while the amount of the organic solvent remaining in the polymer electrolyte membrane is 5-20 weight % based on the polymer electrolyte membrane, and (3) after drying, hot-pressing the polymer electrolyte membrane and the electrodes formed on both sides of the membrane.